AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1. (canceled)

Claim 2. (withdrawn) The blank as in claim 1 wherein said first portion extends from a first edge of said blank to said second portion and said second portion extends from said first portion to an opposing edge of said blank.

Claim 3. (withdrawn) The blank as in claim 2 wherein said thickness of said blank within said tapered profile of said second portion decreases from said first portion to said opposing edge.

Claim 4. (withdrawn) The blank as in claim 3 wherein said decrease in said thickness in said second portion is generally uniform.

Claim 5. (withdrawn) The blank as in claim 4 wherein said predetermined thickness profile is a constant thickness.

Claim 6. (withdrawn) The blank as in claim 5 wherein said constant thickness is between about 0.034 to 0.040 inches and said thickness of said blank along said opposing edge is between about 0.027 to 0.030 inches.

Claim 7. (withdrawn) The blank as in claim 4 wherein said predetermined thickness profile is a tapered profile different from said tapered profile of said second portion.

Claim 8. (withdrawn) The blank as in claim 7 wherein said thickness of said blank in said first portion increases from along said first edge to said second portion.

Claim 9. (withdrawn) The blank as in claim 8 wherein said blank thickness in said first portion increases from between about 0.034 to 0.040 inches along said first edge to between about 0.035 to 0.043 inches at said second portion, and said blank thickness in said second portion decreases from between about 0.035 to 0.043 inches at said first portion to between about 0.029 to 0.036 inches along said opposing edge.

Claim 10. (withdrawn) The blank as in claim 7 wherein said thickness of said blank in said first portion decreases from along said first edge to said second portion.

Claim 11. (withdrawn) The blank as in claim 10 wherein said blank thickness in said first portion decreases from between about 0.034 to 0.040 inches along said first edge to between about 0.031 to 0.039 inches at said second portion and said blank thickness in said second portion decreases from between about 0.031 to 0.039 inches at said first portion to between about 0.027 to 0.030 along said opposing edge.

Claim 12. (withdrawn) The blank as in claim 1 wherein said predetermined thickness profile is a first predetermined profile and further including a third portion having a second predetermined thickness profile wherein said first portion extends from a first edge of said blank to said second portion, said second portion extends from said first portion to said third portion and said third portion extends from said second portion to an opposing edge of said blank.

Claim 13. (withdrawn) The blank as in claim 12 said thickness of said blank within said second portion decreases from said first portion to said third portion.

Claim 14. (withdrawn) The blank as in claim 13 wherein said decrease in said blank thickness in said second portion is uniform.

Claim 15. (withdrawn) The blank as in claim 14 wherein said first thickness profile is a first constant thickness and said second thickness profile is a second constant thickness different from said first constant thickness.

Claim 16. (withdrawn) The blank as in claim 15 wherein said first constant thickness is between about 0.034 to 0.040 inches, said second constant thickness is between about 0.027 to 0.030 inches and said thickness of said blank within said second portion decreases from said first portion to said third portion.

Claim 17. (withdrawn) The blank as in claim 14 wherein said first and second thickness profiles are tapered thickness profiles which are tapered at a rate less than that of said tapered profile of said second portion.

Claim 18. (withdrawn) The blank as in claim 17 wherein said thickness of said blank in said first portion increases from along said first edge to said second portion and said thickness of said blank in said third portion increases from said second portion to said opposing edge.

Claim 19. (withdrawn) The blank as in claim 18 wherein said blank thickness in said first portion increases from between about 0.034 to 0.040 inches along said first edge to between about 0.035 to 0.043 inches at said second portion, said blank thickness in said third portion increases from

between about 0.028 to 0.035 inches at said second portion to between about 0.029 to 0.036 inches along said opposing edge, and said blank thickness in said second portion decreases from said first portion to said second portion.

Claim 20. (withdrawn) The blank as in claim 17 wherein said thickness of said blank in said first portion decreases from along said first edge to said second portion and said thickness of said blank in said third portion decreases from said second portion to said opposing edge.

Claim 21. (withdrawn) The blank as in claim 20 wherein said blank thickness in said first portion decreases from between about 0.034 to 0.040 inches along said first edge to between about 0.031 to 0.039 inches at said second portion, said blank thickness in said third portion decreases from between about 0.028 to 0.030 inches along said second portion to between about 0.027 to 0.029 inches along said opposing edge, and said blank thickness in said second portion decreases from said first portion to said third portion.

Claim 22. (withdrawn) The blank as in claim 1 wherein said blank has a quadrilateral peripheral contour with two opposing sides of arcuate shape.

Claim 23. (withdrawn) The blank as in claim 22 wherein said blank includes an arcuate gradient color band positioned within said first portion of said blank and substantially parallel to said first edge.

Claim 24. (withdrawn) A method of making a thermoplastic interlayer having a desired varying thickness profile comprising the steps of:

initially forming said interlayer with a thickness profile greater than said desired profile; and

differentially stretching said interlayer to reduce the thickness of said interlayer such that said thickness of said interlayer corresponds to said desired thickness profile.

Claim 25. (Withdrawn) An automotive transparency comprising:

a first glass ply having a constant thickness;

a second glass ply having a constant thickness;

an interlayer having a constant thickness in a first predetermined area and a varying thickness in a second predetermined area;

the first glass ply and the second glass ply secured together by the interlayer material to form a laminate having a first outer major surface, an opposing second major surface, a first predetermined area defined by the first predetermined area of the interlayer over which the outer major surfaces are substantially parallel to one another, and a second predetermined area defined by the second predetermined area of the interlayer over which the outer major surfaces are nonparallel to one another.

Claim 26. (withdrawn) The automotive transparency of claim 25 wherein:

the first glass ply and the second glass ply each have a thickness of 0.090 inch and a length of 45 inches;

the interlayer has a top edge and an opposite bottom edge, wherein the first predetermined area of the interlayer is adjacent the top edge and the second predetermined area of the interlayer is adjacent the bottom edge, the interlayer has a constant thickness of 0.038 inch from the top edge to a distance of 25 inches therefrom defined as a thickness change line and a taper from the thickness change line to the bottom edge of the

interlayer, the thickness of the interlayer at the thickness change line is 0.038 inch and at the bottom edge is 0.030 inch.

Claim 27. (withdrawn) The automotive transparency of claim 38 wherein the interlayer is a sheet of polyvinylbutyral.

Claim 28. (withdrawn) The automotive transparency of claim 38 used in combination with a heads-up display system comprises:

means to project a desired display having first and second light rays, and

means for mounting the automotive transparency and said means to project relative to one another to direct the first and second light rays toward the second predetermined area.

Claim 29. (withdrawn) An automotive transparency for use with a heads-up display system comprising:

a first glass ply;

a second glass ply, the first and second glass plies each having a constant thickness of 0.090 inch and a distance between top of the windshield to bottom of the windshield of 45 inches;

an interlayer between the first and second glass plies;

the interlayer has a top edge and an opposite bottom edge, the interlayer having a constant thickness of 0.038 inch from the top edge to a distance of 25 inches therefrom defined as a thickness change line and a taper from the thickness change line to the bottom edge of the interlayer, wherein the thickness of the interlayer at the thickness change line is 0.038 inch and at the bottom edge is 0.030 inch.

Claim 30. (withdrawn) The automotive transparency of claim 25 wherein the transparency is a vehicle windshield for a head-up display, the interlayer is a sheet of polyvinylbutyral, the windshield has a length of 45 inches, the first predetermined area of the interlayer is adjacent the top of the windshield and extends for a distance of 25 inches and the second predetermined area of the interlayer has a wedge-shaped thickness profile.

Claim 31. (withdrawn) The automotive transparency of claim 38 wherein the interlayer is a plastic interlayer.

Claim 32. (withdrawn) An interlayer blank for securing glass plies together comprising:

a first predetermined area having a constant thickness and a second predetermined area having a varying thickness.

Claim 33. (withdrawn) The interlayer blank of claim 32 wherein:

the interlayer has a top edge and an opposite bottom edge, wherein the first predetermined area of the interlayer is adjacent the top edge and the second predetermined area of the interlayer is adjacent the bottom edge, the interlayer has a constant thickness of 0.038 inch from the top edge to a distance of 25 inches therefrom defined as a thickness change line and a taper from the thickness change line to the bottom edge of the interlayer, the thickness of the interlayer at the thickness change line is 0.038 inch and at the bottom edge is 0.030 inch.

Claim 34. (withdrawn) The interlayer blank of claim 40 wherein the interlayer blank is a sheet of polyvinylbutyral and the second predetermined area viewed in cross section has a wedged shape.

Claim 35. (withdrawn) The interlayer blank of claim 40 wherein the interlayer blank is a sheet of polyvinylbutyral.

Claim 36. (withdrawn) The interlayer blank of claim 40 wherein the interlayer is a sheet of polyvinylbutyral, and the distance between top of the interlayer blank and bottom of the interlayer blank is 45 inches.

Claim 37. (withdrawn) The interlayer blank of claim 40 wherein the top edge has a shade band.

Claim 38. (withdrawn) An automotive transparency comprising:

a first glass ply and a second glass ply each having a constant thickness of 0.090 inch and a length of 45 inches; and

an interlayer between the first glass ply and second glass ply and having a constant thickness in a first predetermined area and a varying thickness in a second predetermined area, wherein the first predetermined area of the interlayer is adjacent a top edge of the interlayer and the second predetermined area of the interlayer is adjacent a bottom edge of the interlayer, and the first predetermined area of the interlayer has a constant thickness of 0.038 inch from the top edge to a distance of 25 inches therefrom defined at a thickness change line and the second predetermined area of the interlayer has a taper from the thickness change line to the bottom edge of the interlayer, and the thickness of the interlayer at the thickness change line is 0.038 inch and at the bottom edge is 0.030 inch.

Claim 39. (withdrawn) A vehicle windshield for a head-up display comprising:

a first glass ply having a constant thickness;

a second glass ply having a constant thickness; and

a polyvinylbutyral interlayer having a constant thickness in a first predetermined area and a varying thickness in a second predetermined area;

the first glass ply and second glass ply secured together by the interlayer material to form a laminate having a first outer major surface, an opposing second outer major surface, a first predetermined area defined by the first predetermined area of the interlayer over which the outer major surfaces are substantially parallel to one another, and a second predetermined area defined by the second predetermined area of the interlayer over which the outer major surfaces are nonparallel to one another, wherein the windshield has a length of 45 inches, the first predetermined area of the interlayer is adjacent the top of the windshield and extends for a distance of 25 inches and the second predetermined area of the windshield has a wedge-shaped thickness profile.

Claim 40. (withdrawn) An interlayer blank for securing glass plies together comprising:

a first predetermined area having a constant thickness of 0.038 inch and a second predetermined area having a varying thickness, the interlayer having a top edge and a bottom edge, wherein the first predetermined area of the interlayer is adjacent the top edge and the second predetermined area of the interlayer is adjacent the bottom edge and the first predetermined area of the interlayer has a constant thickness from the top edge to a distance of 25 inches therefrom defined as a thickness change line and the second predetermined area has a taper from the thickness change line to the bottom edge of the interlayer, wherein the thickness of the interlayer at the thickness change line is 0.38 inch and that the bottom edge is 0.030 inch.

Claim 41. (Previously Presented) An automotive transparency comprising:

a first glass ply having a constant thickness;

a second glass ply having a constant thickness;

an interlayer having a constant thickness in a first predetermined area and a decreasing thickness in a second predetermined area ;

the first and second plies secured together by the interlayer to form a laminate having a first outer major surface, an opposing second outer major surface, a first predetermined area defined by the first predetermined area of the interlayer over which the outer major surfaces are substantially parallel to one another, and a second predetermined area defined by the second predetermined area of the interlayer over which the outer major surfaces are nonparallel to each other such that images reflected off the nonparallel surfaces of the laminate are substantially superimposed over each other to at least reduce double imaging of the reflected image.

Claim 42. (currently amended) The transparency as in ~~claim 1~~ claim 41 wherein the outer major surfaces of the laminate within the second predetermined area ~~are angularly offset from each other by~~ form a wedge angle of at least about 0.0115°.

Claim 43. (currently amended) The transparency as in ~~claim 1~~claim 41, wherein the transparency is an automotive windshield.